

Special Inspection, Structural Observation and Testing Agreement

When special inspection and/or structural observation is required by Chapter 17 of the 2019 California Building Code. The **Engineer or Architect of Record** acting as the owner's agent shall complete two (2) copies of this Special Inspection, Structural Observation and Testing Agreement.

Approval of Special Inspector

Each special inspection agency, testing facility, and special inspector shall be recognized by the Building Official prior to performing any duties. Each special inspection agency must submit to the Building Official, a company profile including resumes of all employees, their certifications, and a list of the type of work for which recognition is requested. Special inspectors shall carry approved identification when performing the functions of a special inspector. Identification cards shall follow the criteria set by the California Council of Testing and Inspection Agencies. No personnel changes shall be made without first obtaining the approval of the Building Official. Any unauthorized personnel changes may result in a "Stop Work Order" and possible permit revocation.

Approved Fabricators

Each fabricator shall be approved by the Building Official. Qualifications of approved fabricators shall be in compliance with 1704.2.5.1 of the California Building Code, 2019 edition. The approved fabricator shall submit a Certificate of Compliance that the work was performed in accordance with the approved plans and specification to the Building Official and the Engineer or Architect of Record. *Note: Fabricator approval may be revoked by the Building Official for just cause.*

Structural Observation

The Engineer or Architect of Record shall provide structural observation per Section 1704.6 of the California Building Code. This observation is in addition to other required special inspections and is not intended as a substitution of other required inspections. The structural observer shall submit to the Building Official a written statement that the site visits have been made and identify any reported deficiencies that, to the best of the structural observer's knowledge, have not been resolved.

Limit of Authority

The Special Inspector and/or Architect or Engineer of record is NOT AUTHORIZED to do any of the following:

1. To inspect or approve any work for which the building permit has not been issued.
2. Direct any work to commence before the Building Department has completed its inspection. Exception: Prefabrication components per Section 1704 of the California Building Code.
3. To inspect or approve any work other than that for which they are specifically certified.
4. To approve alternative materials, structural changes, or revisions to plans without prior approval of the Building Official.

Contractor Responsibilities:

- A. **Quality control and Code Compliance:** The contractor is primarily responsible for quality of the work performed and compliance with code requirements.
- B. **Inspector notification:** The contractor shall notify the special inspector at least 24 hours prior to performing any work that requires special inspection and shall provide sufficient lead time for the special inspector at the job site to review the construction documents and perform preparatory work.

- C. **Provide access to plans:** The contractor is responsible for providing the special inspector access to the approved plans and specifications at the job site.
- D. **Retain special inspection records:** The contractor is also responsible for retaining at the job site all special inspection records submitted by the special inspector and provide a copy to the Building Inspector upon their arrival.
- E. **Construction Inspections:** Approval of work by the special inspector does not relieve the contractor from obtaining Inspections by the Building Department.
- F. **Final Inspection:** The final inspection may not be scheduled until the Final Report documenting the special inspection or structural observation have been submitted and approved by the Building Official.

Owner's Responsibilities:

- A. **Special Inspector Employment:** The owner or their agents shall employ a sufficient number of qualified special inspectors to assure inspection without hindering the quality assurance of the work.
- B. **Inspection Continuity:** It is recommended that the owner employ the same special inspection agencies throughout the job to assure continuity. All substitutions of special inspection agencies must have prior approval of the Building Official.
- C. **Final Report:** The owner or their agents are responsible for submittal of a final signed report to the Building Official before a final inspection can be scheduled.

Architect or Engineer of Record Responsibilities:

- A. Identify all construction elements that require Special Inspection or Structural Observation.
- B. Shall complete two (2) copies of this Special Inspection, Structural Observation and Testing Agreement.
- C. Provide Structural Observation if required by the Building Official or the Architect or Engineer of Record.

Special Inspection Firm Responsibilities:

- A. The special Inspector shall observe the work assigned for conformance to the approved design drawings, specifications, and the applicable workmanship provisions of the Code.
- B. The special inspector shall bring non-conformance items to the immediate attention of the contractor and note all such items in the daily report. If any item is not resolved in a timely manner or is about to be incorporated in the work, the special inspector shall immediately notify the Building Official by telephone or in person and notify the Engineer or Architect of Record.
- C. Every special inspector shall complete a daily inspection report form. These reports shall be provided to the contractor prior to leaving the job site each day.
- D. Furnishing weekly reports (As needed on larger projects). The special inspector or inspection agency shall furnish a weekly report of tests and inspections directly to the Building Official, project engineer or architect, and others as designated. These reports include the following:
 - a) A description of daily inspections and tests made with applicable locations;
 - b) A listing of all non-conforming items;
 - c) A report of how non-conforming items were resolved or unresolved as applicable.
- E. The special inspector or quality control firm shall submit a signed Final Report to the Building Official, pursuant to Section 1704. Items in conformance, unresolved items, or any discrepancies in inspection coverage shall be specifically itemized in this report. Any unresolved items must be approved by the Building Official. The report must be signed and stamped by appropriate professional(s), licensed by the State of California. **Final inspection of the structure shall not be scheduled until the final report has been reviewed and approved by the Building Official.**

Special Inspection, Structural Observation and Testing Agreement Form

Project Address: _____ **Permit #:** _____

Project Description: _____

| 2019 CBC | Required (X) | Type of Special Inspection | Continuous (X) | Periodic (X) |
|----------|-----------------|---|-------------------|-----------------|
| 1705.1.1 | | Special Cases | | |
| | | Identify item/s: | | |
| 1705.2 | | Steel Construction: | | |
| 1705.2.1 | | Structural steel | | |
| 1705.2.2 | | Cold-formed steel deck | | |
| 1705.2.3 | | Open-web steel joists and girders | | |
| 1705.2.4 | | Cold-formed steel trusses spanning more than 60' | | |
| 1705.3 | | Concrete Construction: | | |
| | | Reinforcement placement and specifications | | |
| | | Reinforcing bar welding | | |
| | | Inspect anchors cast in concrete. | | |
| | | Anchors post-installed in hardened concrete | | |
| | | Verify use of required design mix, slump, air, and temp. | | |
| | | Compression Testing | | |
| | | Concrete and shotcrete placement | | |
| | | Maintenance of curing temperature and techniques. | | |
| | | Prestressed concrete, prestressing forces, and grouting | | |
| | | Installation of precast concrete members. | | |
| | | Stressing of tendons in post-tensioned concrete | | |
| | | Formwork shape, location, and dimensions | | |
| | | Other: | | |
| 1705.4 | | Masonry Construction (TMS 402 AND TMS 602) | | |
| | | Identify item/s: | | |
| 1705.5 | | Wood Construction | | |
| 1705.5.1 | | High-load Diaphragms | | |
| 1705.5.2 | | Metal-plate-connected trusses taller than 60" | | |
| 1705.5.2 | | Metal-plate-connected trusses spanning more than 60' | | |
| 1705.6 | | Soils | | |
| | | Verify material below foundation is adequate to achieve the design bearing capacity | | |
| | | Verify excavations are extended to proper depth and have reached proper material. | | |
| | | Perform classification and testing of compacted fill materials. | | |
| | | Verify use of proper materials, densities and lift thicknesses during placement and compaction of fill. | | |
| | | Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly. | | |
| | | Other: | | |
| 1705.7 | | Driven Deep Foundations | | |
| | | Verify element materials, sizes, and lengths | | |

| 2019 CBC | Required (X) | Type of Special Inspection | Continuous (X) | Periodic (X) |
|--------------------|--------------|--|----------------|--------------|
| | | Determine capacities of test elements and conduct additional load tests, as required. | | |
| | | Inspect driving operations and maintain accurate records for each element | | |
| | | Verify locations and plumbness, confirm hammer, number of blows, penetrations to achieve design capacity, record tip and butt elevations and any damage to foundation. | | |
| 1705.8 | | Cast-in-place Deep Foundations | | |
| | | Inspect drilling operations and record each element. | | |
| | | Verify locations, plumbness, element diameters, bell diameters, lengths, and adequate end-bearing strata. Record concrete or grout volumes. | | |
| | | For concrete elements, perform tests and additional special inspections in accordance with Section 1705.3. | | |
| 1705.9 | | Helical Pile Foundations | | |
| | | Identify item/s: | | |
| 1705.10 | | Fabricated Items | | |
| | | Identify item/s: | | |
| 1705.11 | | Wind Resistance | | |
| 1705.11.1 | | Structural wood | | |
| 1705.11.2 | | Cold-formed steel light framed const. | | |
| 1705.11.3 | | Wind-resisting components. | | |
| 1705.12 | | Seismic Resistance | | |
| 1705.12.1 | | Structural steel | | |
| 1705.12.1.1 | | Seismic force-resisting systems. | | |
| 1705.12.1.2 | | Structural steel elements. | | |
| 1705.12.2 | | Structural wood | | |
| 1705.12.3 | | Cold-formed steel light-framed construction | | |
| 1705.12.4 | | Designated seismic systems | | |
| 1705.12.5 | | Architectural components | | |
| 1705.12.5.1 | | Access floors. | | |
| 1705.12.6 | | Plumbing, mech., and elec. components | | |
| 1705.12.7 | | Storage racks | | |
| 1705.12.8 | | Seismic isolation systems | | |
| 1705.12.9 | | Cold-formed steel special bolted moment frames | | |
| | | Other: | | |
| 1705.13 | | Testing for Seismic Resistance | | |
| 1705.13.1 | | Structural steel | | |
| 1705.13.2 | | Nonstructural components | | |
| 1705.13.3 | | Designates seismic systems | | |
| 1705.13.4 | | Seismic isolation systems | | |
| | | Other: | | |
| 1705.14 | | Sprayed Fire-resistant Materials | | |
| | | Identify item/s: | | |
| 1705.15 | | Mastic and intumescent fire-resistant coatings | | |
| | | Identify item/s: | | |
| 1705.16 | | Exterior insulation and finish systems (EIFS). | | |
| | | Identify item/s: | | |
| 1705.17 | | Fire-resistant penetrations and joints. | | |

| 2019 CBC | Required (X) | Type of Special Inspection | Continuous (X) | Periodic (X) |
|----------|--------------|--|----------------|--------------|
| | | Identify item/s: | | |
| 1705.18 | | Testing for smoke control. | | |
| | | Identify item/s: | | |
| 1704.6 | | Structural observation | | |
| 1704.6.1 | | Structural observations for structures. | | |
| 1704.6.2 | | Structural observations for seismic resistance | | |
| 1705.6.3 | | Structural observations for wind resistance | | |
| | | Other: | | |

The following are the testing and special inspection agencies that will be retained to conduct tests and inspection on this project:

| EXPERTISE | FIRM INSPECTION INFORMATION | |
|--|---|--|
| 1. Special Inspection (except for geotechnical) | Name: _____ Address: _____ Email: _____ | Company Name: _____ City: _____ State: _____ Zip: _____ Phone: _____ |
| 2. Material Testing | Name: _____ Address: _____ Email: _____ | Company Name: _____ City: _____ State: _____ Zip: _____ Phone: _____ |
| 3. Geotechnical Inspection | Name: _____ Address: _____ Email: _____ | Company Name: _____ City: _____ State: _____ Zip: _____ Phone: _____ |
| 4. Other | Name: _____ Address: _____ Email: _____ | Company Name: _____ City: _____ State: _____ Zip: _____ Phone: _____ |
| 5. Structural Observer | Name: _____ Address: _____ Email: _____ | Company Name: _____ City: _____ State: _____ Zip: _____ Phone: _____ |

Signature below hereby certifies that the Testing/Inspection Agency named has been engaged to perform structural tests and inspections during construction, as checked (X) above, to satisfy all applicable portions of the Building Code.

Prior to issuance of an occupancy permit, the inspection Agency shall submit a statement that all items of designated work performed were reported. Any items checked but not tested or inspected will be noted and explained.

Whenever any designated items on this list are ready for sampling, testing or inspection, it shall be the responsibility of the contractor to give timely notice to the Inspection Agency so that the required services may be performed.

| | | | |
|---|---------------------------------------|---------------|-------------|
| Prepared by Project: <input type="checkbox"/> Engineer <input type="checkbox"/> Architect Registered Design Professional in Charge. | Print Name: _____ Signature: _____ | Lic. #: _____ | Date: _____ |
| Owner Authorization: | Print Name: _____ Signature: _____ | | Date: _____ |
| Inspection Agency: | Print Name: _____ Signature: _____ | Lic. #: _____ | Date: _____ |
| Contractor: | Print Name: _____ Signature: _____ | Lic. #: _____ | Date: _____ |